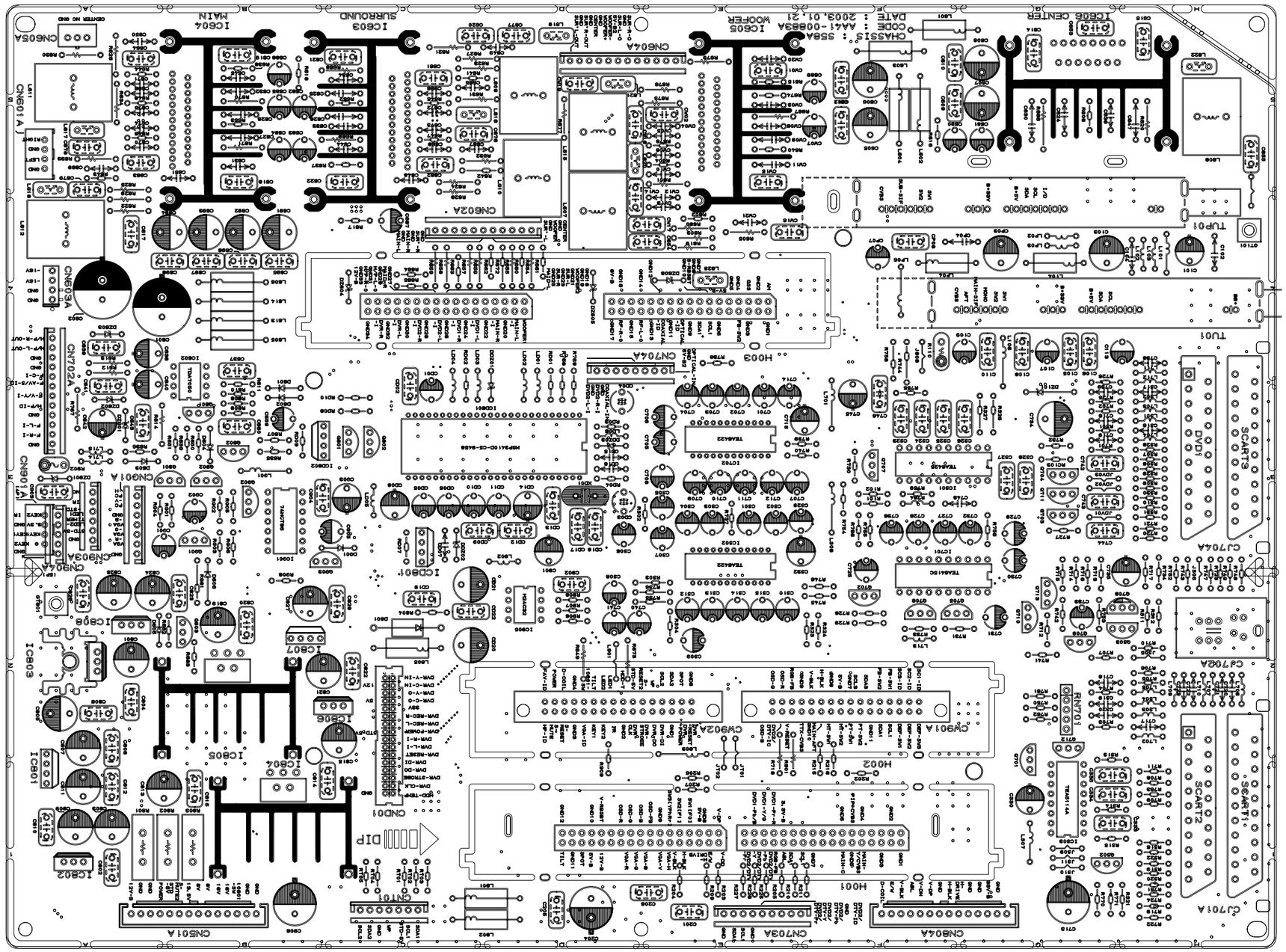
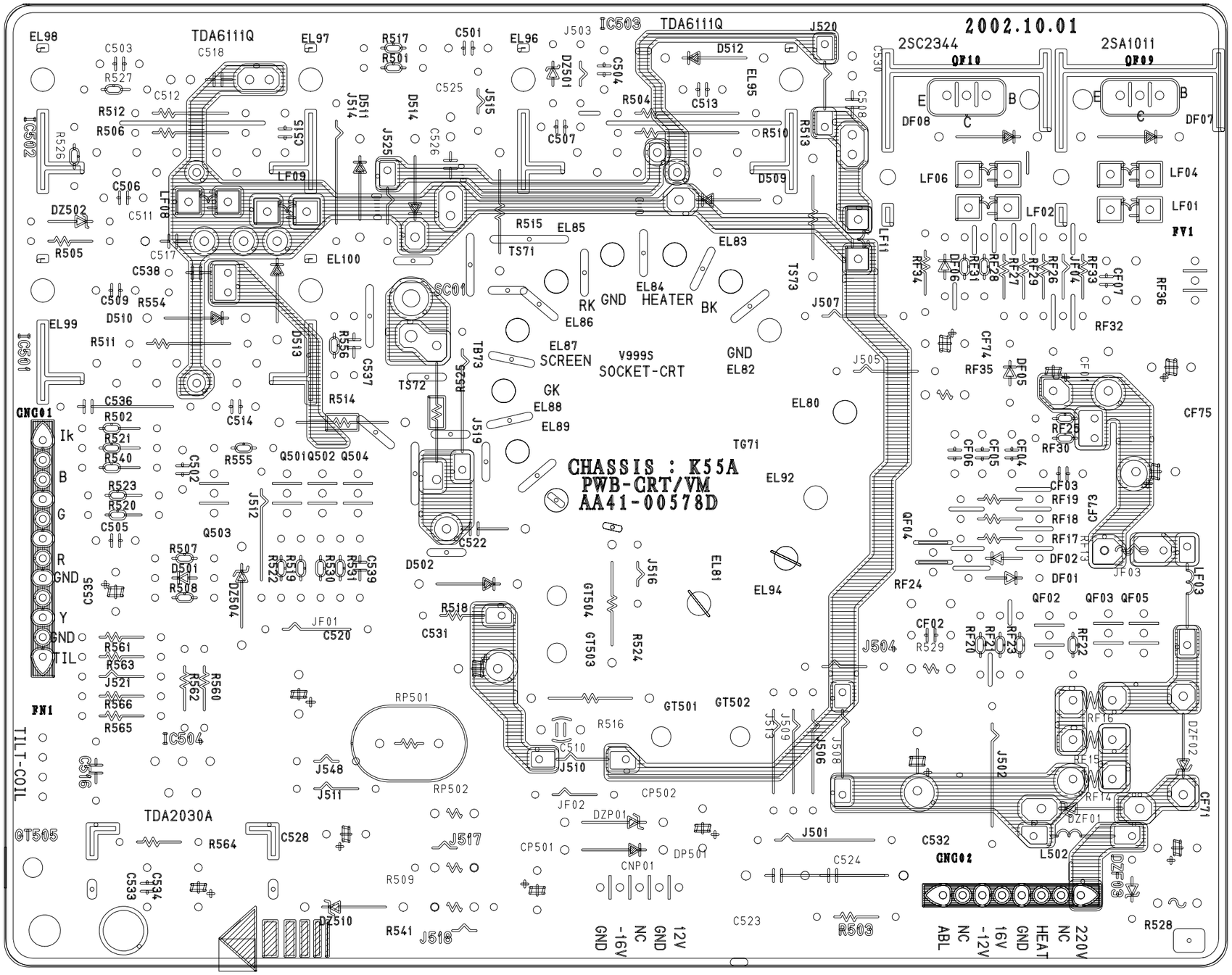
4. PCB Diagrams

4-1 MAIN PCB



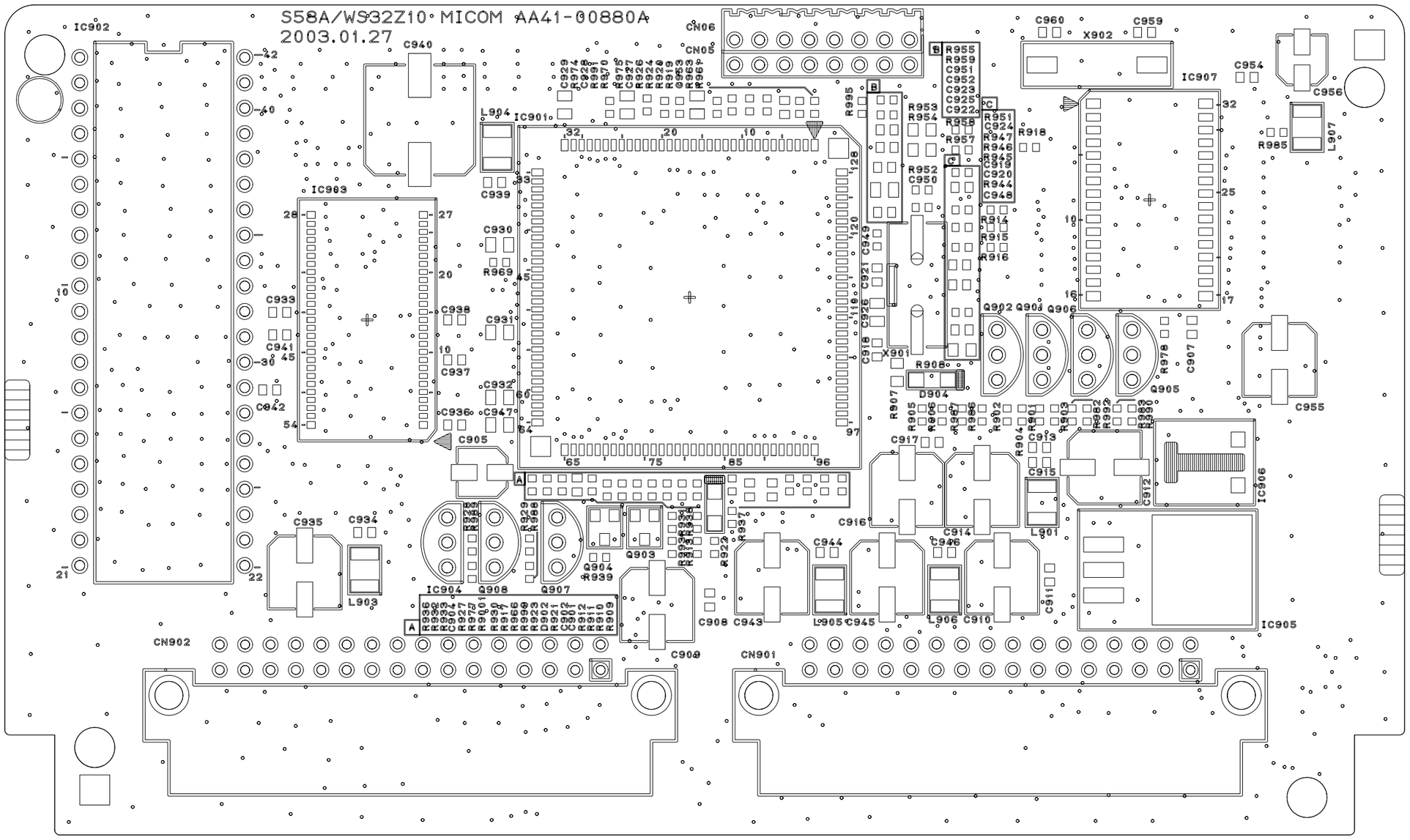
LOC	X	Y	LOC	X	Y
C801	297.5	172.5	IC702	132	108.5
C802	302.5	221.5	IC801	319.5	194.5
C803	302.5	216	IC802	315	222.5
C804	297.5	178.5	IC803	313.5	170.5
C805	313.5	184	IC804	241	201.5
C806	308.5	184	IC805	255.5	170.5
C807	310	195.5	IC806	247.5	182
C808	302.5	195.5	IC807	256	164.5
C809	312	216	IC808	300	161
C810	319.5	216	IC905	199.5	152
C811	310	205.5	ICD601	181	106.5
C812	302.5	205.5	ICD801	222	137
C813	289	206	ICD802	247.5	117
C814	246.5	199	ICG01	262	126.5
C815	243.5	193.5	ICS01	75	115
C816	281	206	ICS02	132	141.5
C819	275	163.5	ICS03	50	215
C820	267.5	163.5	JDV01	41	133
C821	247.5	175.5	JDV02	41	125.5
C822	240	175.5	JDV03	41	123
C823	285	155.25	JS10	58	224
C824	292	155.25	JS11	58	221.5
C825	302	155.125	L801	214	232
C826	310	155.375	L802	214	237.5
C827	251	158	L803	148	194.5
C828	244	158	L805	217	167
CJ701A	22.75	188.9	LS01	36.5	108
CJ702A	4.7	162.5	LS02	36.5	103
CJ704A	22.75	95.9	LS03	37	184.5
D801	217	161.75	LS04	37	181.5
IC602	278	101.5	LS07	64	212.5
IC603	225	50.5	LS08	115.5	124.5
IC604	287.5	9.5	Q801	241	111
IC605	150	10	Q802	235.5	111
IC606	28.5	10.5	TU01	10.5	79.15
IC701	75	144	TUP01	30	53

4-2 CRT PCB



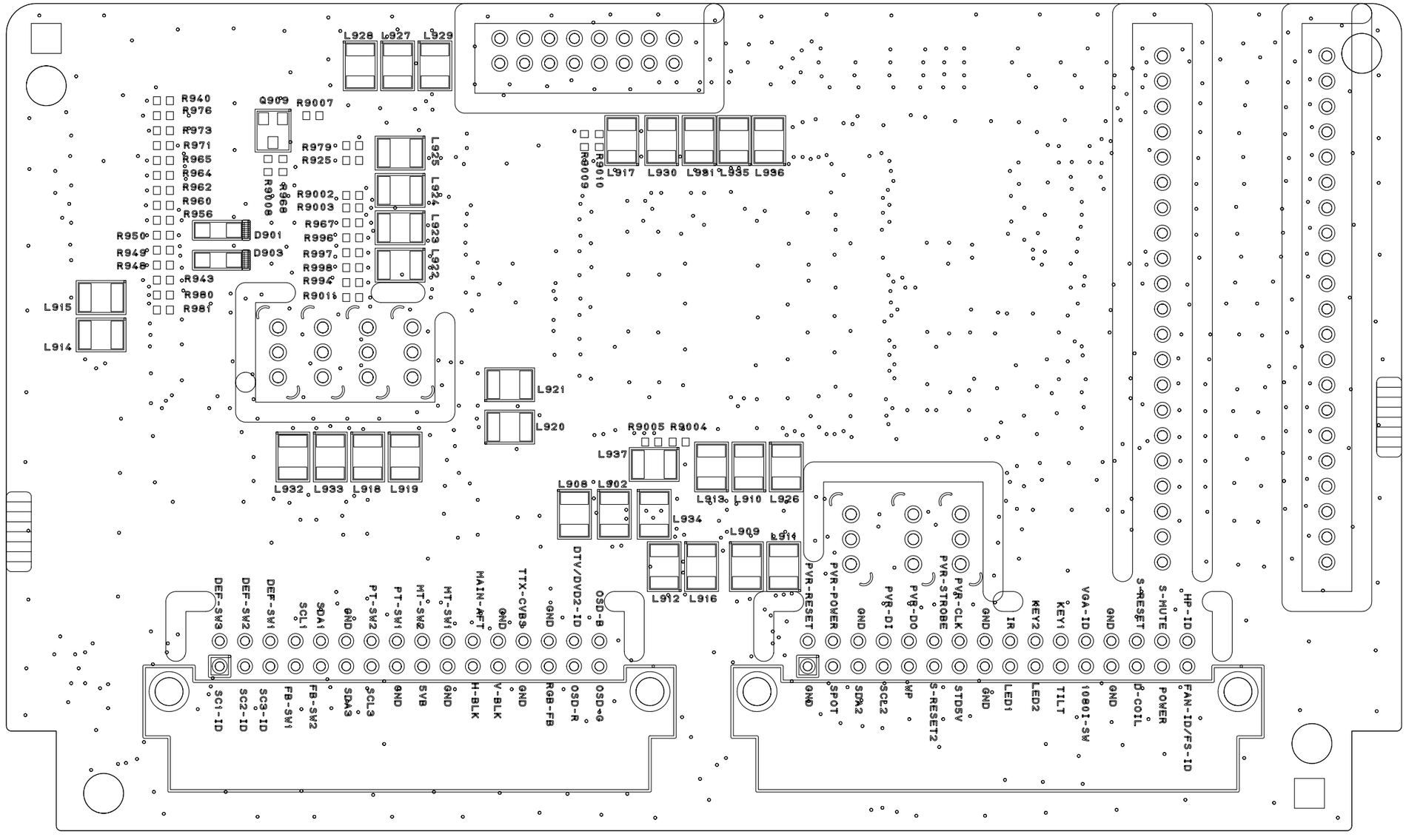
LOC	X	Y
CNC01	4.75	39.25
CNC02	119	9
CP501	67.5	12.125
CP502	88.5	15
DZF01	131.5	20
DZF02	149.5	21.75
DZF03	143	6
DZP01	83.5	18.25
IC501	4.75	85.75
IC502	4.75	112.5
IC503	65.75	112.5
IC504	22.5	26
Q501	35.75	57.5
Q502	40.25	57.5
Q503	26.5	62.5
Q504	44.75	57.5
V999S	81	73

4-3 MICOM PCB(TOP)

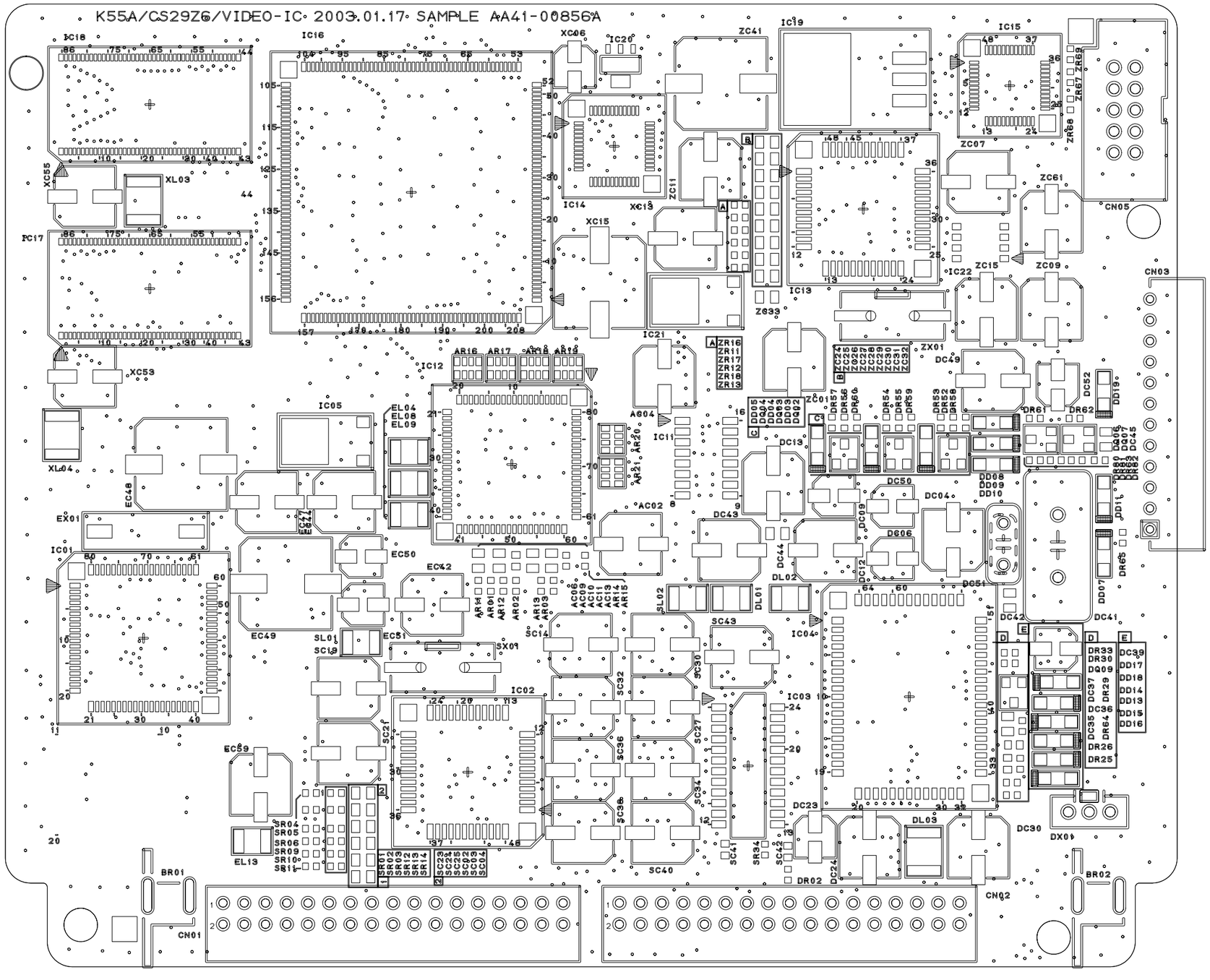


Loc	X	Y
CN05	90.5	77
CN06	90.5	79.5
CN901	80.5	16.5
CN902	21.5	16.5
IC901	68.5	53.75
IC902	7.5	77.75
IC903	36.25	51.5
IC904	44.25	26.75
IC905	119.75	26.5
IC906	120	37.25
IC907	114.5	63.5
X901	91.25	55
X902	109.25	77

4-4 MICOM PCB(BOT)

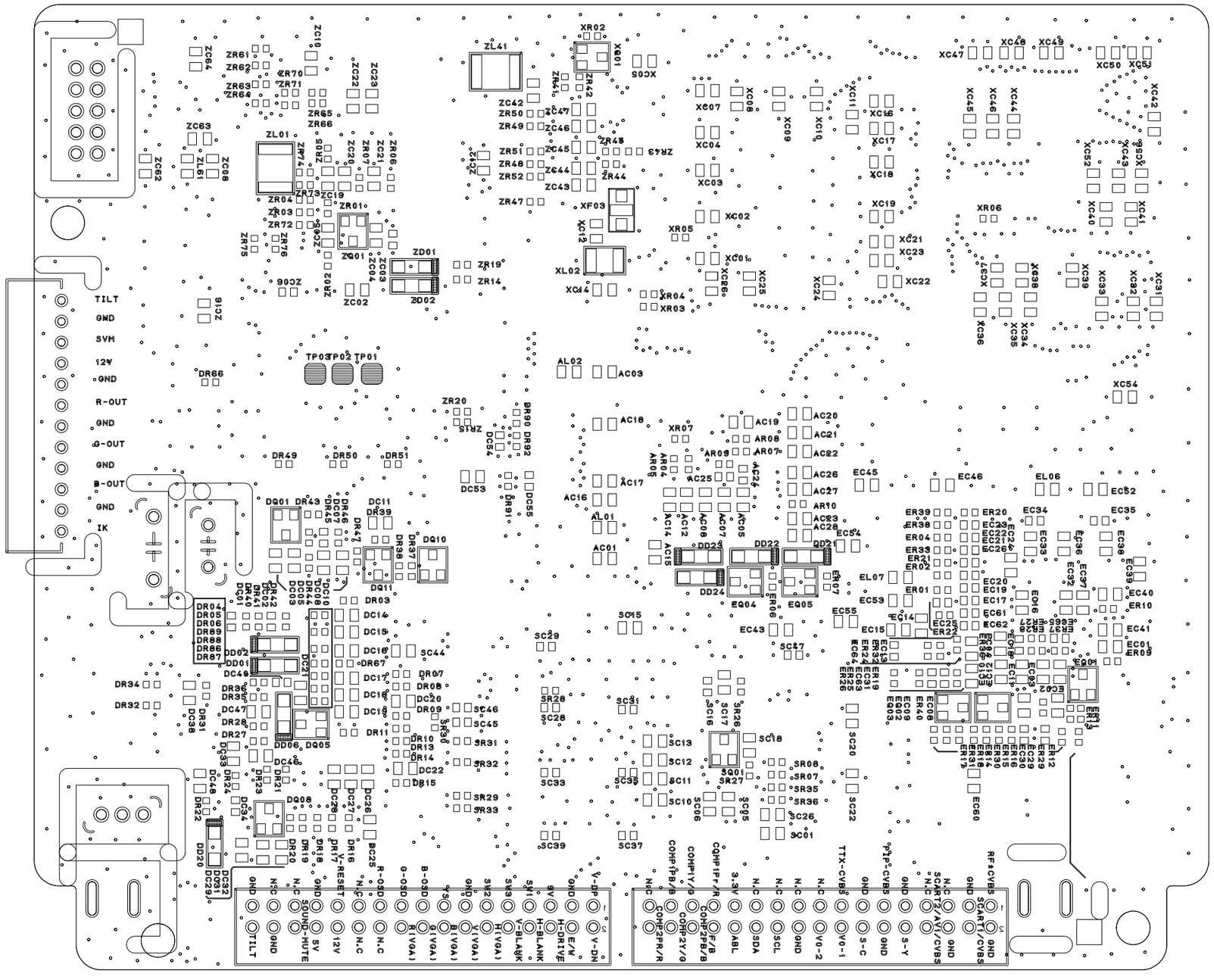

L928 L927 L929
R940 R976 R973 R971 R965 R964 R962 R960 R956
Q909 R9007
R979 R925
R9008 R968
R9002 R9003 R967 R996 R997 R998 R994 R9011
D901 D903
R950 R949 R948 R943 R980 R981
L915 L914
L925 L924 L923 L922
L921 L920
L932 L933 L918 L919
R9009 R9010
L917 L930 L931 L935 L936
R9005 R9004
L937
L908 L902 L934 L912 L916
L913 L910 L926 L909 L914
DEF-SW3 DEF-SW2 DEF-SW1 SCL1 SDA1 GND PT-SW2 PT-SW1 MT-SW2 MT-SW1 MAIN-AFT GND TTX-CVBS GND DTV/DVD2-ID OSD-B
SC1-ID SC2-ID SC3-ID FB-SW1 FB-SW2 SDA3 SCL3 GND 5VB GND H-BLK V-BLK GND RGB-FB OSD-R OSD-G
PVR-RESET PVR-POWER GND PVB-DI PVB-DO PVR-STROBE PVR-CLK GND IR KEY2 KEY1 VGA-ID GND S-RESET S-MUTE HP-ID
GND SPOT SDA2 SCL2 WP S-RESET2 5TD5V GND LED1 LED2 TILT 1080I-SW GND D-COIL POWER FAN-ID/FS-ID

4-5 F-BOX PCB(TOP)



Loc	X	Y
CN01	26	5.08
CN02	73.36	5.08
CN03	136.75	79.75
CN05	135	97.25
DX01	127	18.5
IC01	16.5	39.25
IC02	55.25	23.25
IC03	88.75	24
IC04	108	32.25
IC05	38.25	62.75
IC11	83.75	60.75
IC12	60.5	60
IC13	102.5	90.5
IC14	72.75	98
IC15	120	105.25
IC16	48.5	92.5
IC17	17.25	81
IC18	17.25	103
IC19	97	106
IC20	73.5	107.75
IC21	82.5	79.5
IC22	116.5	86.5
SX01	52.25	35.75
ZX01	106	77.75

4-6 F-BOX PCB(BOT)


TILT
GND
SVM
12V
GND
R-OUT
GND
G-OUT
GND
B-OUT
GND
IK
TP03 TP02 TP01
DR66
ZR20
STBZ
DR49 DR50 DR51
DC53
DC54
DR90 DR92
DR91
DC55
AL02
AC03
AC18
AC16
AL01
AC01
AC17
XR07
AR08
AR09
AR04
AR03
AR05
AC25
AC19
AC20
AC21
AC22
AR06
AR07
AC24
AC26
AC27
AR10
AC23
AC28
EC45
EC46
EL06
EC52
EC54
ER39
ER38
ER04
ER33
ER02
ER01
EC34
EC35
EC33
EC36
EC32
EC37
EC38
EC39
EC40
ER10
EC41
ER09
EL07
EC53
EC55
EC14
EC15
EC43
SC27
SC15
SC29
SC28
SC31
SC16
SC17
SR26
SC18
SR08
SR07
SR35
SR36
SC26
SC01
SC20
SC22
SQ01
SR27
SC13
SC12
SC11
SC10
SC06
SC05
SC39
SC37
SR28
SR31
SR32
SR29
SR33
DC44
DR24
DR23
DC46
DC34
DR22
DD20
DC32
DC31
DC30
DC29
DQ08
DR21
DC28
DC27
DC26
DR20
DR19
DR18
DR17
DR16
DC25
DD06
DQ05
DC40
DD02
DD01
DR34
DR32
DR31
DC38
DR30
DR29
DC47
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DC33
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DR26
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DC45
DR42
DC02
DR41
DR40
DQ01
DC42
DC03
DD05
DC44
DC08
DC10
DR44
DR43
DQ01
DR45
DR46
DC09
DR47
DR48
DR03
DC14
DC15
DC16
DR67
DC17
DC18
DC19
DR07
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DR11
DR12
DR13
DR14
DC22
DB15
SC46
SC45
SR31
SR32
SR29
SR33
DD03
DQ10
DR37
DR38
DC11
DR39
DQ11
DQ03
DR43
DQ04
DD22
DD23
DD24
DD21
EQ04
EQ05
ER06
ER07
EQ01
EC08
EC09
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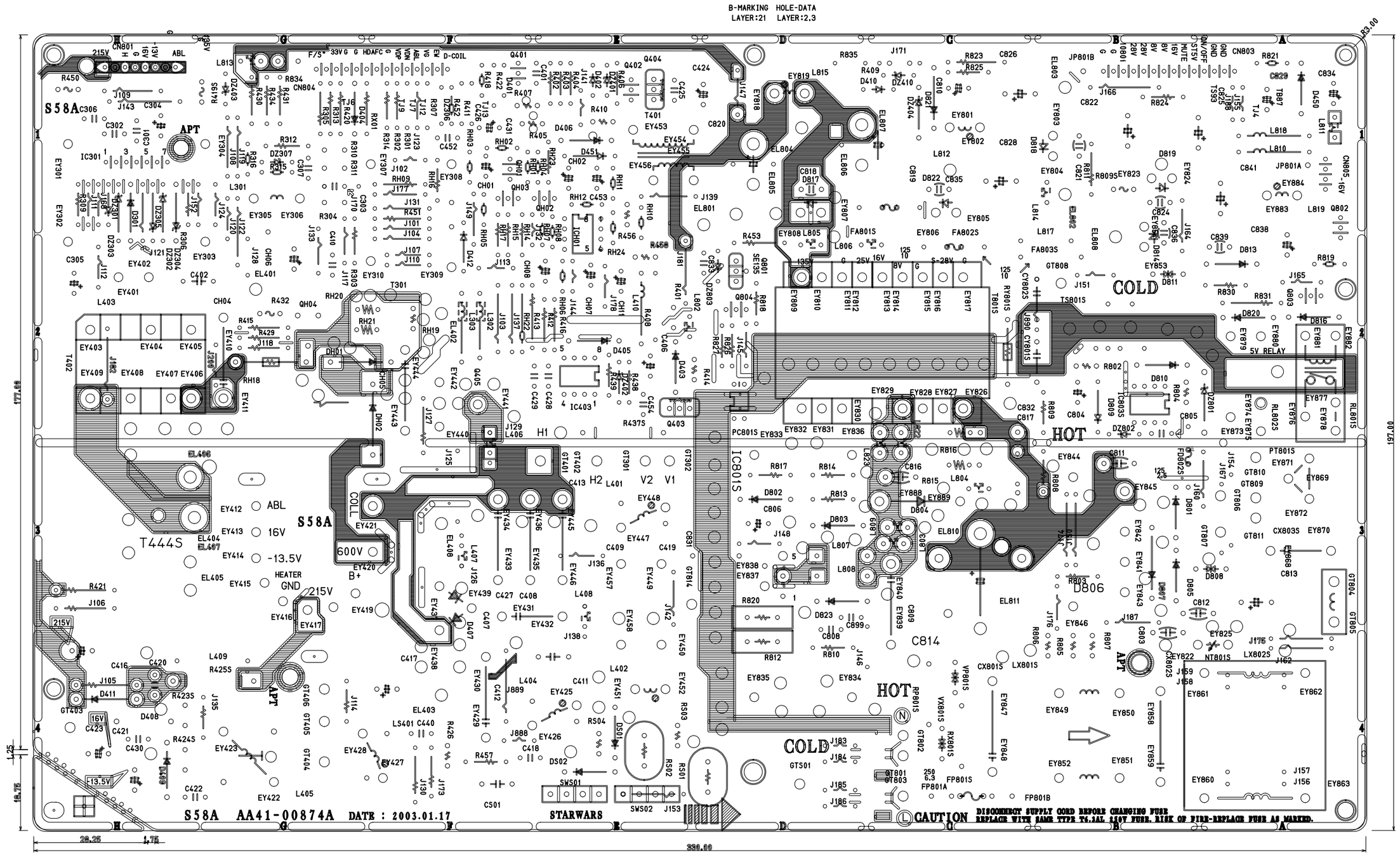
EB53

4-7 POWER PCB


B-MARKING LAYER:21
HOLE-DATA LAYER:2.3
S58A
APT
COLL
HOT
COLD
IC801S
T444S
600V
ABL
16V
-13.5V
HEATER
GND
215V
B+
S58A AA41-00874A DATE : 2003.01.17
STARWARS
CAUTION
DISCONNECT SUPPLY CORD BEFORE CHANGING FUSE
REPLACE WITH SAME TYPE T6.3AL 250V FUSE. RISK OF FIRE-REPLACE FUSE AS MARKED.
5V RELAY
D806
C814
177.80
330.00
28.25
4.75
16.75
12.5

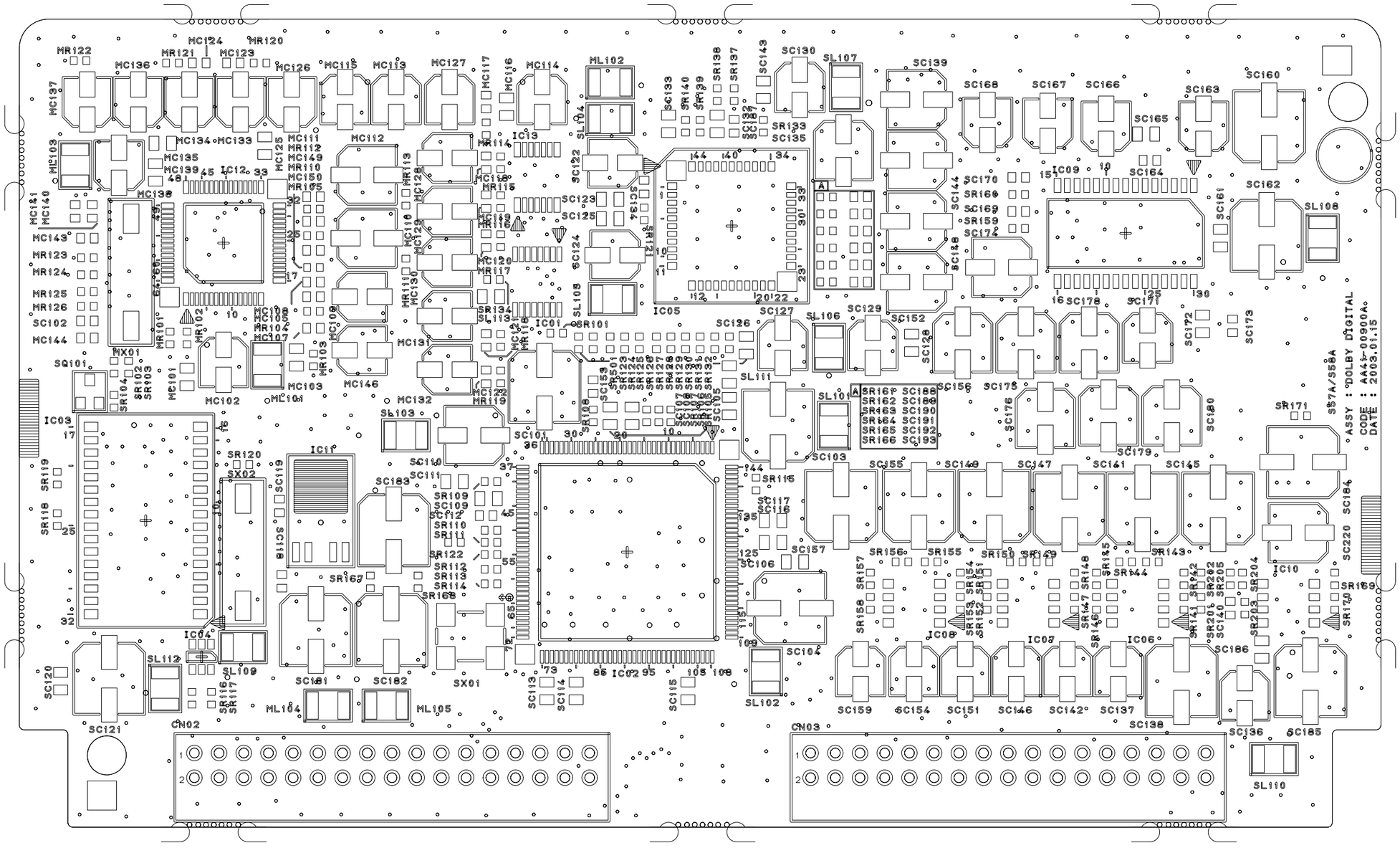
LOC	X	Y
C803	277.25	49
C804	258.6	106
C805	276.9	98.3
C806	177	76
C808	200	49.75
C809	212.375	66
C810	226.6	183.8
C811	272.625	90.875
C812	284.75	53.75
C813	299.125	56.5
C814	234.5	50
C816	211	87.5
C817	243.7	93.3
C818	195.125	158.75
C819	205.125	174.75
C820	178.25	170
C821	259	167
C822	271	169.5
C824	276.5	155.5
C825	288.5	169
C826	240.6	182.4
C828	235.9	160.8
C829	305.5	178.5
C831	163.25	68
C832	243.75	83.625
C833	166	143
C834	322	180
C835	221.75	158.75
C836	280	150.5
C838	310.5	142.5
C839	291.25	144.5
C841	294	152.75
C899	205	52.75
CN801	17.625	189
CN803	265	188
CN804	70	188.5

LOC	X	Y
CN805	320	166.25
CS01	118.5	11.5
CX801S	237.5	14.5
CX802S	279.125	12
CX803S	306.375	69.25
CY801S	248.5	121
CY802S	248.5	136.5
D301	24	160
D401	116.5	189.5
D402	138.5	189.5
D403	159	121
D404	79.5	172.5
D405	145	121.25
D406	143.125	170.875
D407	100.5	60.5
D408	20.5	27
D409	33	21.75
D410	213	183.5
D411	10.5	32.5
D412	106.5	150.5
D450	314	190
D451	144	167
D801	282.925	85
D802	175	82
D803	193	75.5
D804	229.5	81.5
D805	283	69.375
D806	257.5	55.5
D807	277	57.5
D808	295.375	64.75
D809	263.625	98.625
D810	285.75	115.25
D811	277.25	137.75
D813	303	140.25
D814	268	147
D816	310.875	127.125

LOC	X	Y
D817	166	150
D819	282	161.5
D820	294.625	127
D821	223	173.875
D823	194	56.75
FA801S	204.5	154.25
FA802S	220.5	144.5
FA803S	244.5	142
FD802S	286	100
FP801A	222.375	8.5
FP801B	242.375	8.5
IC403	139	117
IC801S	178.5	93
IC803S	280.25	110
ICH01	131.5	151.5
L401	151	78
L402	156.5	35
L403	28.5	137
LS401	84.5	18.5
LX801S	254	13
LX802S	290	39
NT801S	295.875	46
PC801S	173.5	102
PT801S	316	82.125
RL801S	322.5	99
RL802S	304	98.875
RP801S	221.75	26.25
RX801S	229.875	30.875
RY801S	241.25	126.5
SWS01	128	9
SWS02	146	9
T301	83.5	165
T401	153.5	161
T402	14	107
T444S	69.5	69
T801S	230.25	137

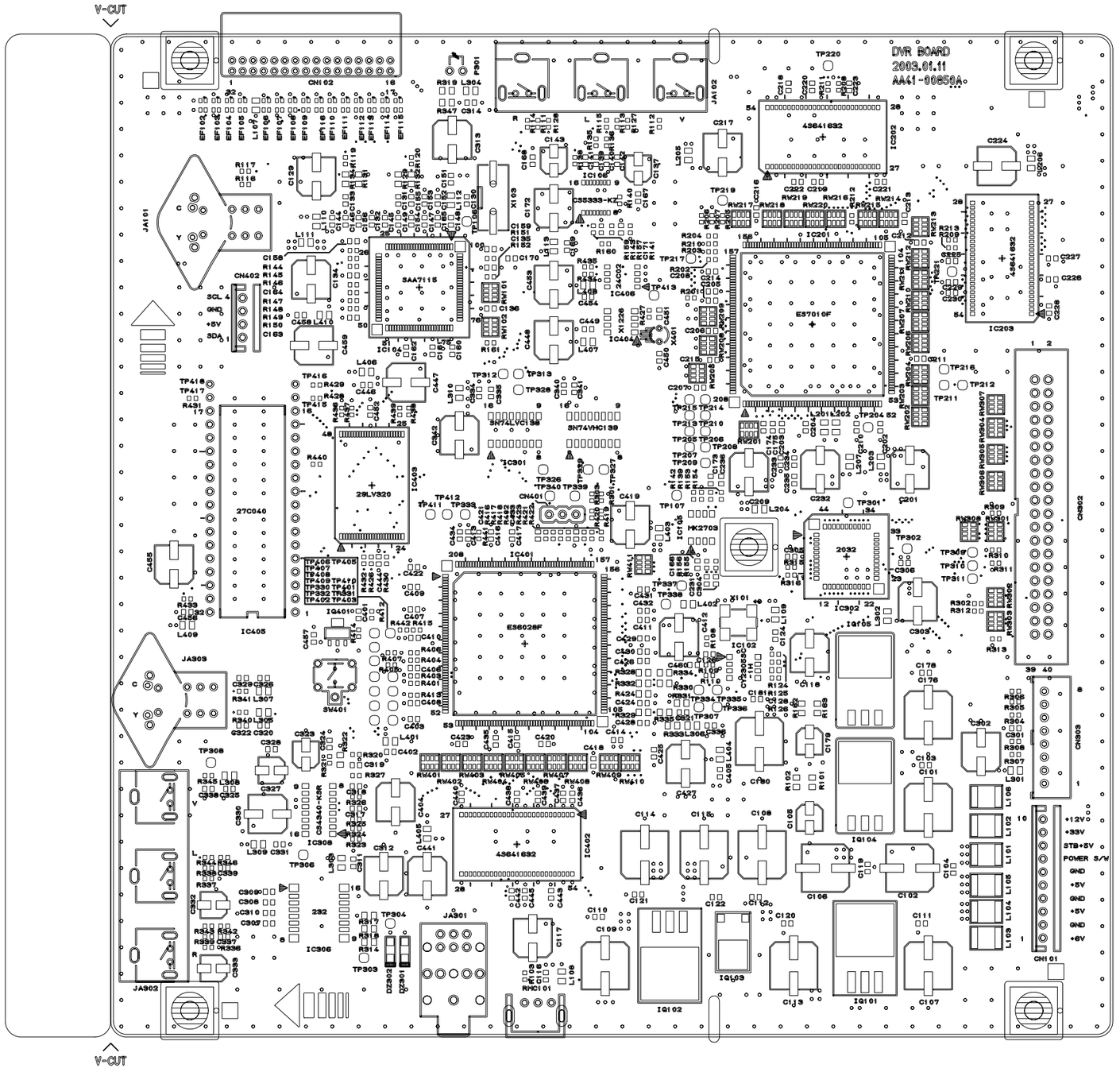
LOC	X	Y
TS801S	272.125	130.375
TS93	290	184
VP801S	228.25	41.625
VX801S	225	25.25

4-8 DOLBY PCB



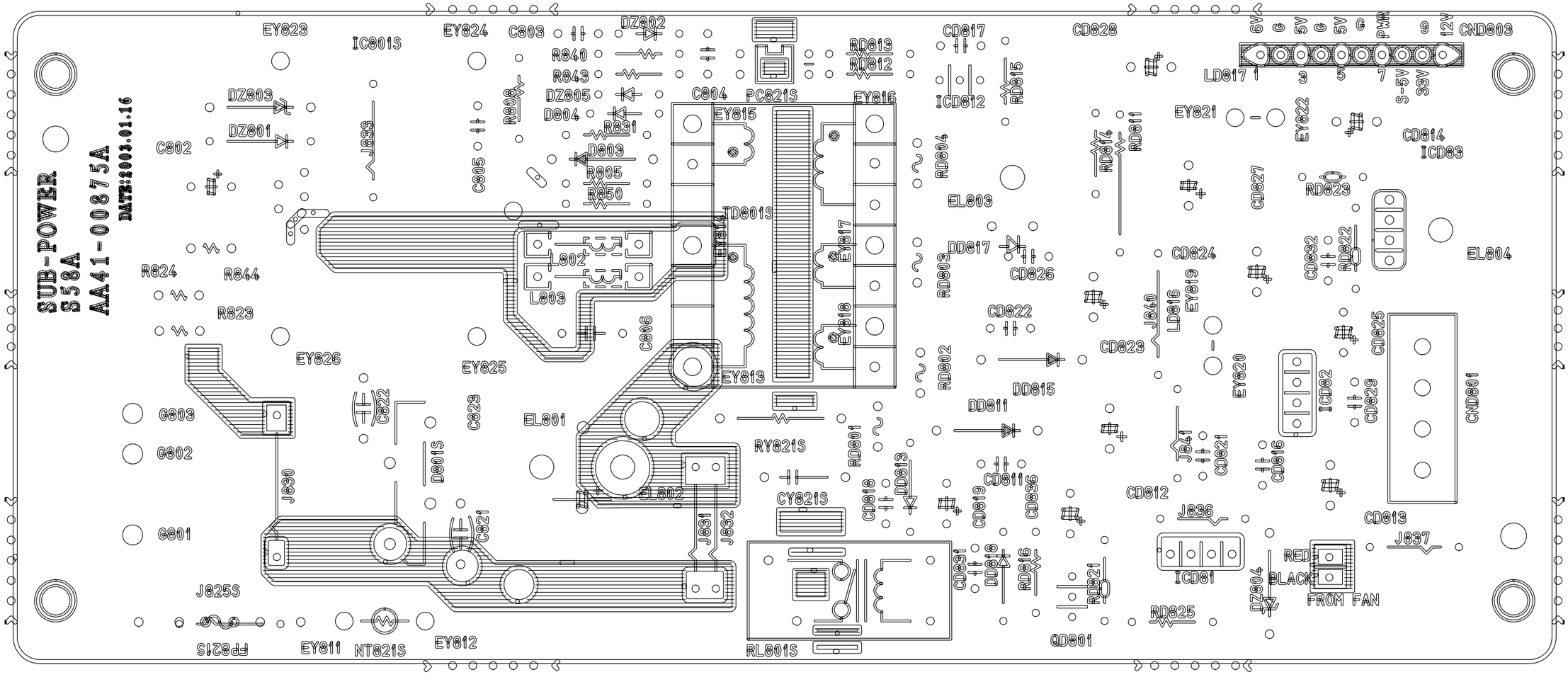
LOC	X	Y
CN02	18	5.08
CN03	81.36	5.08
IC01	53.25	56
IC02	62.5	28.25
IC03	13	31.5
IC04	18.75	17.5
IC05	73.25	61.75
IC06	115	23
IC07	103.75	23
IC08	92	23
IC09	113.75	61
IC10	130.5	23
IC11	31	32.5
IC12	21	60
IC13	53.25	66.75
SL101	83.75	41.25
SL102	76.75	16
SL103	39.75	40.25
SL104	60.75	72.75
SL105	61	54.25
SL106	83.25	49.25
SL107	85	76
SL108	134	60.5
SL109	23	18.5
SL110	129	7
SL111	73	46.5
SL112	15	14.25
SL113	48.5	54.5
SX01	46.4	19.6
SX02	23	28.25

4-9 DVR PCB



LOC	X	Y	LOC	X	Y
CN101	176.75	41.25	SW401	42.5	68.5
CN102	23	185	X101	119	78.5
CN302	175.213	124.535	X103	72.5	159
CN303	177	48	X401	104	131.75
CN401	88.2	99			
CN402	25	140			
DZ301	55.75	16.5			
DZ302	53	16.5			
IC102	120	70			
IC104	58.5	142			
IC105	112	96.5			
IC106	92	159			
IC201	133	135			
IC202	135	170.5			
IC203	169	147.5			
IC301	76.6	115			
IC302	139.5	91			
IC303	91.5	115			
IC306	39.5	23.5			
IC308	39.5	43			
IC401	78.5	74.5			
IC402	77	36.5			
IC403	49.5	104.5			
IC404	96.75	135.5			
IC405	35	80.5			
IC406	97	144			
IQ101	143	20.25			
IQ102	106	12			
IQ103	118	18			
IQ104	143	48			
IQ105	143	68			
IQ401	43	76.5			
L401	53	56			
L402	109.5	82			
L403	104	95.5			
RMC101	81	4			

4-10 SUB POWER PCB



LOC	X	Y
C802	26.7	58.6
C803	72	77.5
C804	85.5	72.5
C805	57.1	68.6
C806	67.5	40.5
C821	55	12
C822	43	27.5

LOC	X	Y
C823	75	24
CND801	173.75	23.625
CND803	153.75	74.875
CY821S	92.5	22.75
D801S	46.25	14.5
D803	66.25	62.005

LOC	X	Y
D804	\71	67.625
FP821S	15.25	4.875
IC801S	57.25	39.5
ICD81	142.625	13.25
ICD812	114.125	71.75
ICD82	158.25	29.375
ICD83	176	53.25

LOC	X	Y
L802	77	51.5
L803	77	47.5
NT821S	40.625	5
PC821S	89.5	75
RL801S	96.5	5
RY821S	87	30
TD801S	106.125	36.375